

What is claimed is:

1. A method of making an adhesive, comprising the steps of:
derivatizing collagen with a functional group; and
heating a composition including said derivatized collagen to thereby increase a concentration of said derivatized collagen in said composition.
2. A method in accordance with claim 1, further comprising the step of extracting said collagen from a tissue source prior to said derivatizing step.
3. A method in accordance with claim 2, wherein said tissue source includes an animal tissue.
4. A method in accordance with claim 1, wherein said derivatizing step includes a step of reacting said collagen with 4-mercapto-1,8-naphthalic anhydride.
5. A method in accordance with claim 14, wherein said derivatizing step further includes a step of reaction with glutaric anhydride.
6. A method in accordance with claim 1, further comprising additional heating steps to adjust said concentration of said derivatized collagen in said composition.
7. A method in accordance with claim 1, further comprising a step of adding a pH altering material to said derivatized collagen to thereby adjust a pH of said composition to be within a desired range.
8. A method in accordance with claim 7, wherein said desired range is 6.8 – 7.8.
9. A method in accordance with claim 7, wherein said pH altering material includes NaOH.

10. A method in accordance with claim 1, further comprising the step of adding a material selected from the group of collagen fibrils, collagen fibers and collagen fiber bundles.

11. A method of making an adhesive, comprising the steps of:
derivatizing collagen with a functional group; and
increasing a concentration of said derivatized collagen in a composition.

12. A method in accordance with claim 11, further comprising the step of extracting said collagen from a tissue source prior to said derivatizing step.

13. A method in accordance with claim 12, wherein said tissue source includes an animal tissue.

14. A method in accordance with claim 11, wherein said derivatizing step includes a step of reacting said collagen with 4-mercapto-1,8-naphthalic anhydride.

15. A method in accordance with claim 14, wherein said derivatizing step further includes a step of reaction with glutaric anhydride.

16. A method in accordance with claim 11, further comprising a plurality of heating steps to adjust said concentration of said derivatized collagen in said composition.

17. A method in accordance with claim 11, further comprising a step of adding a pH altering material to said derivatized collagen to thereby adjust a pH of said composition to be within a desired range.

18. A method in accordance with claim 17, wherein said desired range is 6.8 – 7.8.

19. A method in accordance with claim 17, wherein said pH altering material includes NaOH.

20. A method in accordance with claim 11, further comprising the step of adding

a material selected from the group of collagen fibrils, collagen fibers and collagen fiber bundles.